Weed Research, 1993, Volume 33, 513–516

AUTHOR INDEX

AHUJA K.N. *see* KUMAR *et al.*, 423
AMPONG-NYARKO K. & DE DATTA S.K. Effects of light and nitrogen and their interaction on the dynamics of rice-weed competition, 1
AMPONG-NYARKO K. & DE DATTA S.K. Effects of nitrogen application on growth, nitrogen use efficiency and rice-weed interaction, 269
ANDERSON D.M., SWANTON C.J., HALL J.C. & MERSEY B.G. The influence of soil moisture, simulated rainfall and time of application on the efficacy of glufosinate-ammonium, 149
ANDERSON D.M., SWANTON C.J., HALL J.C. & MERSEY B.G. The influence of temperature and relative humidity on the efficacy of glufosinate-ammonium, 139

BALL D.A. & SHAFFER J. Simulating resource competition in multispecies agricultural plant communities, 299
BARBOUR M.G. *see* DAKHEEL *et al.*, 415
BARTA I.C. & DUKTA F. *N*-acyl-*N*-alkyl 1-aminobenzotriazoles: phytotoxicity, antagonism to EPTC and effects on maize cytochrome P-450, 329
BERTI A. *see* ZANIN *et al.*, 459
BLACK I.D. & DYSON C.B. An economic threshold model for spraying herbicides in cereals, 279
BLACK L.D. *see* WARWICK & BLACK, 105
BLANC D. *see* MORIN *et al.*, 261
BONETTI A. *see* DINELLI *et al.*, 253
BOUHACHE M., BOULET C., & EL KARAKHI F. Evolution des hydrates de carbone non structuraux chez la morelle jaune (*Solanum elaeagnifoliam* Cav.), 291
BOULET C. *see* BOUHACHE *et al.*, 291
BOWMER K.H, EBERBACH P.L. & MCCORKELLE G. Uptake and translocation of ^{14}C-glyphosate in *Alternanthera philoxeroides* (Mart.) Griseb. (alligator weed) I. Rhizome concentrations required for inhibition, 53
BOWMER K.H. & EBERBACH P.L. Uptake and translocation of ^{14}C-glyphosate in *Alternanthera philoxeroides* (Mart.) Griseb. (alligator weed) II. Effect of plant size and photoperiod, 59
BULCKE R. *see* ROUCHAUD *et al.*, 205; 469
BUTLER R.C. *see* WILSON *et al.*, 501

CALLENS D. *see* ROUCHAUD *et al.*, 469
CASTEJON-MUÑOZ M., ROMERO-MUÑOZ F. & GARCIA-TORRES L. Effect of planting date on broomrape (*Orobanche cernua* Loefl.) infections in sunflower (*Helianthus annuus* L.), 171
CHICHOTKY G, *see* GHERSA *et al.*, 79
CLAY D.V. *see* LAWRIE & CLAY, 25; 375
CLEVELAND C.B. *see* LEHMANN *et al.*, 197
COTTINGHAM C.K., HATZIOS K.K. & MEREDITH S.A. Comparative responses of selected corn (*Zea mays* L.) hybrids to EPTC and metolachlor, 161
COUSENS R.D. *see* LEMERLE & COUSEUS, 335
CSINTALAN Z.S. *see* SZENTE, 121

DAKHEEL A.J., RADOSEVICH S.R. & BARBOUR M.G. Effect of nitrogen and phosphorus on growth and interference between *Bromus tectorum* and *Taeniatherum asperum*, 415
DARMENCY H. *see* MORIN *et al.*, 261
DE DATTA S.K. *see* AMPONG-NYARKO & DE DATTA, 1; 269
DEVINE M.D. & RASHID A. Antagonism of tralkoxydim activity in *Avena fatua* by metasulfuron methyl, 97
DINELLI G., BONETTI A. & TIBILETTI E. Photosynthetic and accessory pigments in *Cuscuta campestris* Yuncker and some host species, 253
DOMINGUEZ C, *see* DE PRADO *et al.*, 17
DUKTA F. *see* BARTA & DUKTA, 329; EKLER *et al.*, 311

DUPONT S & KHAN S.U. Bound and extractable ^{14}C residues in canola (*Brassica napus*) plants treated with radiolabelled atrazine, 9
DYSON C.B. *see* BLACK & DYSON, 279

EBERBACH P.L, *see* BOWMER & EBERBACH, 59
EBERBACH P.L, *see* BOWMER *et al.*, 53
EKLER Z., DUKTA F. & STEPHENSON G.R. Safener effects on acetochlor toxicity, uptake, metabolism and glutathione *S*-transferase activity in maize, 311
EL KARAKHI F. *see* BOUHACHE *et al.*, 291
ELEFTHEROHORINOS I.G. *see* ELENI KOTOULA-SYKA *et al.*, 355
ELENI KOTOULA-SYKA, ELEFTHEROHORINOS I.G., GAGIANAS A.A. & SFICAS A.G. Phytotoxicity and persistance of chlorosulfuron, metsulfuron-methyl, triasulfuron and tribenuron-methyl in three soils, 355
ERVIO L.-R. *see* JUNNILA *et al.*, 213

FONTAINE D.D. *see* LEHMANN *et al.*, 187
FOURNET J. Caractérisation phytoécologique des peuplemente de mauvaise herbes des champs de canne à sucre et des bananeraies de la Basse Terre (Guadeloupe), 383

GAGIANAS A.A. *see* ELENI KOTOULA-SYKA *et al.*, 355
GARCIA TORRES L. *see* LOPEZ GRANADOS & GARCIA TORRES, 319
GARCIA-TORRES L. *see* CASTEJON-MUNOZ *et al.*, 171
GHERSA C.M, MARTINEZ-GHERSA M.A, SATTORE E.H, VAN ESSO M.L & CHICHOTKY G. Seed disperal, distribution and recruitment of seedling of *Sorghum halpense* (L.) Pers., 79
GIRAUDO L.J, *see* VENCILL *et al.*, 89
GOLD H.J. *see* WILES *et al.*, 241
GONZALES-POZUELO J.M. *see* SÁNCHEZ-MARTIN *et al.*, 479
GÜNTHER P., PESTEMER W., RAHMAN A. & NORDMEYER H. A bioassay technique to study the leaching behaviour of sulfonylurea herbicides in different soils, 177
GUSTIN F. *see* ROUCHAUD *et al.*, 205; 469

HALL J.C. *see* ANDERSON *et al.*, 139; 149; PENIUK *et al.*, 431
HATZIOS K.K. *see* COTTINGHAM *et al.*, 161
HEINONEN-TANSKI H. *see* JUNNILA *et al.*, 213

JORRIN J. *see* DE PRADO *et al.*, 369
JUNNILA S., HEINONEN-TANSKI H., ERVIO L.-R. & LATINEN P. Phytotoxic persistance and microbiological effects of metribuzin in different soils, 213

KATRANIS N. *see* VIZANTINOPOULOS & KATRANIS, 225
KHAN S.U, *see* DUPONT & KHAN, 9
KUDSK P. *see* MATHIASSEN & KUDSK, 441
KUMAR B., YADURAJU N.T., AHUJA K.N. & PRASAD D. Effect of soil solarization on weeds and nematodes under tropical Indian conditions, 423

LANGDALE G.W, *see* VENCILL *et al.*, 89
LATINEN P. *see* JUNNILA *et al.*, 213
LAWRIE J. & CLAY D. V. Effects of herbicide mixtures and additives on *Rhododendron ponticum*, 25
LAWRIE J. & CLAY D.V. Effects of ethephon pre-treatment on the response of *Elymus repens* to fluazifop-butyl, 375
LEHMANN J. *see* NIGGLI *et al.*, 131
LEHMANN R.G., FONTAINE D.D. & OLBERDING E.L. Soil degradation of flumetsulam and different temperatures in the laboratory and field, 187
LEHMANN R.G., MILLER J.R. & CLEVELAND C.B. Fate of fluroxpyr in water, 197
LEMERLE D. & COUSENS R.D. Responses of spring barley (*Triticum aestivum* L.) to foliar or root entry of Chlorosulfuron, 335

LOPEZ GRANADOS F. & GARCIA TORRES L. Seed bank and other demographic parameters of broomrape (*Orobanche crenata* Forsk.) populations in faba bean (*Vicia faba* L.), 319
MARTINEZ-GHERSA M.A, *see* GHERSA *et al.*, 79
MATHIASSEN S.J. & KUDSK P. Joint action of sulfonylurea herbicides and MCPA, 441
MCCORKELLE G, *see* BOWMER *et al.*, 53
MEREDITH S.A. *see* COTTINGHAM *et al.*, 161
MERSEY B.G. *see* ANDERSON *et al.*, 139; 149
MILLER J.R. *see* LEHMANN *et al.*, 197
MOHLER C.L. & TEASDALE J.R. Response of weed emergence to rate of *Vicia villosa* Roth and *Secale cereale* L. residue, 487
MORIN C., BLANC D. & DARMENCY H. Limits of a simple model to predict yield losses in maize, 261
MUELLER-SCHAERER H. *see* SCHROEDER *et al.*, 449

NAGY Z. *see* SZENTE *et al.*, 121
NICHOLSON K.S, *see* WARDLE *et al.*, 69
NIGGLI U., NOSBERGER J. & LEHMANN J. Effects of nitrogen fertilization and cutting frequency on the competitive ability and the regrowth capacity of *Rumex obtusifolius* L. in several grass swards, 131
NORDMEYER H. *see* GÜNTHER *et al.*, 177
NOSBERGER J. *see* NIGGLI *et al.*, 131

OLBERDING E.L. *see* LEHMANN *et al.*, 187
ORMEÑO-NÚÑEZ J. *see* PÉREZ & ORMEÑO-NÚÑEZ, 115

PANETTA F.D. & RANDALL R.P. Herbicide and the control of *Emex australis* in an annual pasture, 345
PENIUK M.G., ROMANO M.L. & HALL J.C. Physiological investigations into the resistance of a wild mustard (*Sinapsis arvensis* L.) biotype to auxinic herbicides, 431
PÉREZ F.J. & ORMEÑO-NÚÑEZ J. Weed growth interference from temperate cereals: the effect of a hydroxamic-acids-exuding rye (*Secale cereale* L.) cultivar, 115
PESTEMER W. *see* GÜNTHER *et al.*, 177
POWLES S.B. *see* PURBA *et al.*, 409
DE PRADO R, DOMINGUEZ C & TENA M. Triazine resistance in biotypes of *Solanum nigrum* and four *Amaranthus* species found in Spain, 17
DE PRADO R., JORRIN J. & ROMERA E. Effects of cloroacetamides and phytosynthesis-inhibiting herbicides on growth and photosynthesis in sunflower (*Helianthus annuus* L.) and *Amaranthus hybridis* L., 369
PRASAD D. *see* KUMAR *et al.*, 423
PRESTON C. *see* PURBA *et al.*, 409
PURBA E., PRESTON C. & POWLES S.B. Paraquat resistance in a biotype of *Vulpia bromoides* (L.) S.F. Gray, 409

QUASEM J.R. Root growth, development and nutrient uptake of tomato *(Lycopersicon esculentum)* and *Chenopodium album*, 35

RADOSEVICH S.R. *see* DAKHEEL *et al.*, 415
RAHMANN A., *see* WARDLE *et al.*, 69
RAHMANN A. *see* GÜNTHER *et al.*, 177
RAJU M.V.S., *see* SHUMA & RAJU, 43
RANDALL R.P. *see* PANETTA & RANDALL, 345
RASHID A. *see* DEVINE & RASHID, 97
RASMUSSEN J. Yield response models for mechanical weed control by harrowing at early crop growth stages in peas (*Pisum sativum* L.), 231
ROMANO M.L. *see* PENIUK *et al.*, 431
ROMERA E. *see* DE PRADO *et al.*, 369
ROMERO-MUÑOZ F. *see* CASTEJON-MUÑOZ *et al.*, 171

ROUCHAUD J., GUSTIN F., CALLENS D., VAN HIMME M., BULCKE R. & SARRAZYN R. Soil biodegradation of imazamethabenz-methyl and its acid metabolite in wheat crop and in sugar beet replacement crops, 469
ROUCHAUD J., GUSTIN F., VAN HIMME M., BULCKE R. & SARRAZYN R. Soil dissipation of the herbicide isoxaben after use in cereals, 205

SABADIE J. Dégradation du chlorosulfuron et metsulfuron méthyl en présence d'acides humiques, 397
SÁNCHEZ-CAMAZANO M. *see* SÁNCHEZ-MARTIN
SANCHEZ-MARTIN M.J., GONZALES-POZUELO J.M. & SANCHEZ-CAMAZANO M. Adsorption of ethofumesate by agricultural and natural soils, 479
SARRAZYN R. *see* ROUCHAUD *et al.*, 205; 469
SATTORE E.H, *see* GHERSA *et al.*, 79
SCHROEDER D., MUELLER-SCHAERER H. & STINSON C.A.S. A European weed survey in major crop systems to identify targets for biological control, 449
SFICAS A.G. *see* ELENI KOTOULA-SYKA *et al.*, 355
SHAFFER J. *see* BALL & SHAFFER, 299
SHUMA J.M & RAJU M.V.S. A historical study of the effect of glyphosate on seed development in the wild oat (*Avena fatua* L.), 43
STEPHENSON G.R. *see* EKLER *et al.*, 311
STINSON C.A.S. *see* SCHROEDER *et al.*, 449
SWANTON C.J. *see* ANDERSON *et al.*, 139; 149
SZENTE K., TUBA Z., NAGY Z. & CSINTALAN Z.S. Ecophysiological approach to competition between *Amaranthus chlorostachys* and sunflower (*Helianthus annuus*) under drought stress, 121

TEASDALE J.R. *see* MOHLER & TEASDALE, 487
TENA M, *see* DE PRADO *et al.*, 17
TIBILETTI E. *see* DINELLI *et al.*, 253
TONIOLO L. *see* ZANIN *et al.*, 459
TUBA Z. *see* SZENTE *et al.*, 121

VAN ESSO M.L., *see* GHERSA *et al.*, 79
VAN HIMME M. *see* ROUCHAUD *et al.*, 205; 469
VENCILL W.K., GIRAUSO L.J. & LANGDALE G.W. Soil moisture relations and critical period of *Cynodon dactylon* (L.) Pers. (coastal bermudagrass) competition in conservation-tillage cotton (*Gossypium hursutum* L.), 89
VIZANTINOPOULOS S. & KATRANIS N. Soil solarization in Greece, 225

WARDLE D.A., NICHOLSON K.S. & RAHMANN A. Influence of plant age on the allelopathic potential of nodding thistle *(Carduus nutans* L.) against pasture grasses and legumes, 69
WARWICK S.I. & BLACK L.D. Electrophoretic variation in triazine-resistant and -susceptible populations of the allogamous weed *Brassica rapa*. 105
WILES L.J., GOLD H.J. & WILKERSON G.G. Modelling the uncertainty of weed density estimates to improve post-emergence herbicide control decisions, 241
WILKERSON G.G. *see* WILES *et al.*, 241
WILSON B.J., WRIGHT K.J. & BUTLER R.C. The effect of different frequencies of harrowing in the autumn or spring on winter wheat, and on the control of *Stellaria media* L. vill., *Galium aparine* L. and *Brassica napus* L., 501
WRIGHT K.J. *see* WILSON *et al.*, 501

YADURAJU N.T. *see* KUMAR *et al.*, 423

ZANIN G., BERTI A. & TONIOLO L. Estimation of economic thresholds for weed control in winter wheat, 459